

March 18, 1963
#136-034000-4208
COPY 1 OF 1

Dear Jack:

At your request, the following sample material items are being transmitted by next available courier:

1. One frame each (positive film print)
 - a. Missile site.
 - b. L.A. area showing Chavez Ravine and Rose Bowl.
 - c. L.A. area showing Disneyland.
 - d. San Francisco area showing Alcatraz.
 - e. Burbank area.
 - f. Test Target area.
2. One bound book containing paper enlargement prints
 - a. 20X and 40X Test Target.
 - b. 10X and 20X Airport.
 - c. 10X and 20X Disneyland.
 - d. 10X and 20X EAFB.
 - e. 10X and 20X Chavez Ravine.
 - f. 10X and 20X Farm.
 - g. 10X and 20X Rose Bowl.
 - h. 10X and 20X Alcatraz.
3. One bound book containing film enlargements of same target areas as item 2.

The stereo samples, similar to those already in your possession, are not yet complete but will be submitted in the near future.

First results from the current series of tests have been reviewed. Definition is good. You will be informed of numerical results as soon as our evaluation is complete.

Copies of a graph illustrating possible coverage with a standard 222 J.A. Maurer camera are also being sent you. The curve establishes average conditions, interpolations will have to be made of variable requirements. Read up from K point to one of the lens curves. Read to right for total nautical mile coverage. Read to the left for feet on ground covered per single frame. Intervalometer cycle time is based

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on indicated overlap at a V/H = .035. Total recording time is based upon 884 active frames out of approximately 912 available in a 190 foot roll of 70mm thin base material, which is the present maximum magazine capacity. The 6" lens, by our first tests, shows a ground resolution capability of from 4 to 8 feet from altitude. The shorter focal lengths are to be tested in the field and actual data will be available within a few weeks.

BLE:LB
enc. (2)

B. L. E.

Approved WRE

To obtain footage coverage per single frame: Read up to intersecting lens curve, left to footage value.

To obtain nautical miles coverage possible: Read up to intersecting lens curve, right to nautical miles coverage.

Curves assume .035 V/H constant at altitude selected.

B.L.E. - 2-21-63

THOUSANDS OF FEET ON GROUND PER SINGLE FULL EXPOSURE

POSSIBLE NAUTICAL MILES COVERAGE

